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(71)Applicant : NATL INST FOR RES IN INORG MATER
MITSUBISHI MATERIALS CORP

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(54) WATER-CURABLE TYPE CALCIUM PHOSPHATE CEMENT COMPOSITION

(57)Abstract:

PURPOSE: To realize the proper consistency and the superior operation performance in kneading by providing a specific cement composition and a curing liquid containing at least water-soluble polysaccharides.

CONSTITUTION: A cement composition is prepared from the mixed powder consisting of α -type tertiary calcium phosphate and secondary calcium phosphate dihydrate and having a Ca/P molar ratio of 1.200-1.498 as main component, and the curing liquid for this composition is allowed to contain at least water-soluble polysaccharides. Accordingly, the proper consistency and the superior operation performance can be obtained in kneading. Further, even at a narrow place or a place having a complicate shape, charging can be carried out surely and compactly, and fluidity and wetting performance can be improved.

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